

Notice of Allowability

Application No.

09/634,123

Applicant(s)

AGGARWAL ET AL.

Examiner

Michael J. Moore, Jr.

Art Unit

2666

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/20/2004.
2. ☒ The allowed claim(s) is/are 1-15 and 19-25, renumbered 1-22, respectively.
3. ☒ The drawings filed on 08 August 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Allowable Subject Matter

1. Claims **1-15 and 19-25** (renumbered 1-22, respectively) are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claims **1-3, 5, 7-10, 12, 14, 15, 19-21, 23, and 25**, these claims are allowed for the reasons indicated in the previous Office Action.

Regarding claim **4**, the prior art of record teaches the method as described in the paragraph regarding claim 1. The prior art of record also teaches "wherein an interval of an inquiry scan is close to a duration of a scan window for the inquiry scan. The prior art of record fails to teach "wherein at least one Super-master-designate is selected from said Master-designates and at least one Proxy-slave is selected for each Master-designate."

Regarding claim **6**, the prior art of record teaches the method as described in the paragraph regarding claim 1. The prior art of record also teaches "wherein the statistical procedure included Bernoulli trials executed by each node". The prior art of record fails to teach "wherein at least one Super-master-designate is selected from said Master-designates and at least one Proxy-slave is selected for each Master-designate."

Regarding claim **11**, the prior art of record teaches the system as described in the paragraph regarding claim 8. The prior art of record also teaches "wherein an interval of an inquiry scan is close to a duration of a scan window for said inquiry scan." The prior art of record fails to teach "wherein at least one Super-master-designate is selected from said Master-designates and at least one Proxy-slave is selected for each Master-designate."

Regarding claim **13**, the prior art of record teaches the system as described in the paragraph regarding claim **8**. The prior art of record also teaches “wherein said statistical procedure includes Bernoulli trials executed by each node.” The prior art of record fails to teach “wherein at least one Super-master-designate is selected from said Master-designates and at least one Proxy-slave is selected for each Master-designate.”

Regarding claim **22** (now claim **19**), the prior art of record teaches the computer program product as described in the paragraph regarding claim **19**. The prior art of record also teaches “wherein an interval of an inquiry scan is close to a duration of a scan window for said inquiry scan.” The prior art of record fails to teach “wherein at least one Super-master-designate is selected from said Master-designates and at least one Proxy-slave is selected for each Master-designate.”

Regarding claim **24** (now claim **21**), the prior art of record teaches the computer program product as described in the paragraph regarding claim **19**. The prior art of record also teaches “wherein said statistical procedure includes Bernoulli trials executed by each node.” The prior art of record fails to teach “wherein at least one Super-master-designate is selected from said Master-designates and at least one Proxy-slave is selected for each Master-designate.”

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Response to Arguments

3. Applicant's amendments to the specification and claims to obviate objections indicated in the previous Office Action are proper and have been entered. These objections of have been withdrawn.

4. Applicant's arguments with respect to amended claims **4, 6, 11, 13, 22, and 24** have been fully considered and are persuasive. The rejections of claims **4, 6, 11, 13, 22, and 24** have been withdrawn.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Callaway, Jr. et al. (U.S. 6,275,500) teaches a piconet 15 in Figure 1 that has a master device 2 connected to a plurality of slave devices 1, 3, 4, 5, 6, 8, and 9, which constitutes a cluster. Within this piconet, inquiry messages and inquiry responses are exchanged between master and slave nodes for connection purposes. Callaway, Jr. et al. fails to teach the transmitting of packet bits during device discovery in order to separate the nodes into transmit-state and receive-state nodes. Callaway, Jr. et al. also fails to teach the selecting of a Super-master-designate from Master-designate nodes or a Proxy-slave for each Master-designate node.


Ray et al. (U.S. 6,587,455) teaches an 8-bit opcode used within a message for either a request state or a reply state in Figure 4. This message format of Figure 4 is used for the automatic discovery of nodes associated with a subnet. Ray et al. fails to teach the selecting of a Super master designate from Master-designate nodes or a Proxy-slave for each Master-designate node.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Moore, Jr. whose telephone number is (571) 272-3168. The examiner can normally be reached on Monday-Friday (8:30am - 5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema S. Rao can be reached at (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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FRANK DUONG
PRIMARY EXAMINER

Michael J. Moore, Jr.
Examiner
Art Unit 2666